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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,495	05/16/2007	Kim Rishøj Pedersen	GRP-0156	3612
23413 7590 11/26/2008 CANTOR COLBURN, LLP 20 Church Street 22nd Floor Hartford, CT 06103				
EXAMINER NGUYEN, KHANH V				
ART UNIT 2817		PAPER NUMBER		
NOTIFICATION DATE 11/26/2008		DELIVERY MODE ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

Office Action Summary

Application No.

10/575,495

Applicant(s)

PEDERSEN ET AL.

Examiner

Khanh V. Nguyen

Art Unit

2817

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-58 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 49-58 is/are allowed.
- 6) ☒ Claim(s) 1-10, 12-40, 43, 45, 47 and 48 is/are rejected.
- 7) ☒ Claim(s) 11, 41, 42, 44 and 46 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/10/06
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

Claims 1, 7, 10, 19, 48, 51 are objected to because of the following informalities:

Claim 1, 2nd limitation, a "," is needed at the end of the limitation.

Claim 7, "," is needed at the end of the limitation.

Claim 7, "." is needed at the end of the last limitation.

Claim 10, depended on itself. It should be depended on claim 9.

Claim 19, should "at least one" be -- first order --?

Claim 48, "claim 46" should correctly be -- claim 47 --. Note, "said extrapolation means" is disclosed in claim 47.

Claim 51, "a compensation signal" should correctly be -- the compensation signal --.

Claim 52, "at least one of" which uses three times should be deleted since claim 50 only discloses ONE.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-6, 8, 12, 13, 21, 22, 25, 27, 28, 35 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 3, it is not clear what is meant by "fixed utility area".

Regarding claim 4, the claim recited "extrapolation means (EM)" as a part of *compensation means*. However, applicant's Figure 1 shows extrapolation means (EM) is a separate element/component.

Regarding claim 5, the claim and specification disclose both "compensation means" and "inverting generator" as **CM**. This is unclear and indefinite. Is "inverting generator" another named for "compensation means"?

Regarding claim 6, the limitation "said inverting generator" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 8, the limitation "the output (PWCS)" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 8, the limitation "said input PSVR)" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 12, the claim recited "decimation means (DM)" as a part of *compensation means*. However, applicant's Figure 1 shows decimation means (DM) is a separate element/component.

Regarding claim 13, the limitation "the signal processing" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 21, it is not clear what "effective order of transfer function" is intended.

Regarding claim 22, it is not clear what "utility band" is intended. Does applicant mean "utility **frequency** band"?

Regarding claim 22, "(UPM)" should be deleted, since the Figure does not disclose claimed "UPM"

Regarding claim 25, the limitation "said reference oscillator (SG)" in line 2. There is insufficient antecedent basis for this limitation in the claim. "reference oscillator (SG)" is claimed in claim 7.

Regarding claim 27, the limitation "said switch frequency" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 28, the limitation "said pulse width modulated output signal" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Regarding claim 35, the claim and specification disclose both "pulse width modulated output signal" and "reciprocated electrical signal" as **PWCS**. This is unclear and indefinite. Is "reciprocated electrical signal" another named for "pulse width modulated output signal"? Likewise, "non-linearity (MM)" as **limiter**, "variable amplifier (BM)" as buffer means.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 40, 43, 45 are rejected under 35 U.S.C. 102(e) as being anticipated by Anderson et al. (6,741,123).

Regarding claim 1, Anderson et al. (Figs. 1 and 2) discloses audio amplifier circuit comprising: an amplification means comprising a switching output stage (104, 105) delivering a least one output signal (AUDIO OUT) via output (Vout); said amplification means being fed by power supply means (109/V+, 110/V-), said amplifier further comprising compensation means (203/f1) providing compensation signal derived from the power supply means (109/V+, 110/V-), said compensation signal (203/f1) is an inverse representation of the power supply means (109/V+, 110/V-) and the compensation signal being fed to said amplification means (103, 105) via pulse width modulation (102).

Regarding claim 2, wherein power supply is scaled, see column 3, lines 41-48.

Regarding claim 40, wherein the input receives at least one input signal (115).

Regarding claim 43, wherein the amplification means receives an input/channel.

Regarding claim 45, wherein said amplification means delivers one output signal (Vout).

Allowable Subject Matter

Claims 3-10, 12-39, 47, 48 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Claims 11, 41, 42, 44, 46 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 49-58 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 49-58 call for, among others, applying said compensational signal to said input utility signal by means of multiplication.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional reference (Christian (7,332,959)) shows further analogous prior art circuitry.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh V. Nguyen whose telephone number is 571-272-1767. The examiner can normally be reached on 8:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Khanh Van Nguyen/
Primary Examiner, Art Unit 2817